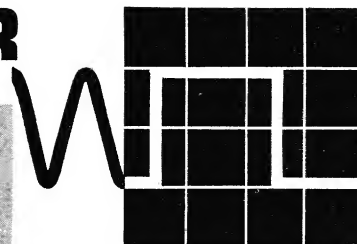
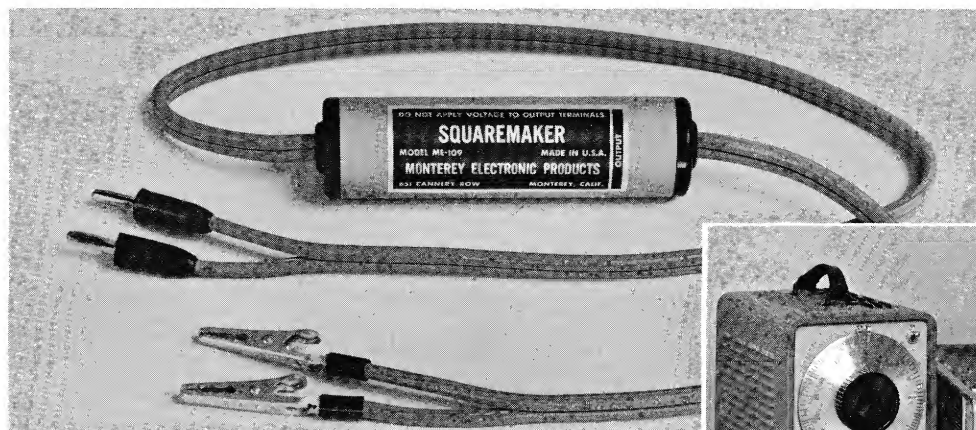


THE
REMARKABLE

SQUAREMAKER



- Fast Rise Time—50 nanoseconds
- High Output Voltage—35v
- Wide Frequency Range



\$15⁹⁵

The SQUAREMAKER* Model ME-109 is a precision electronic instrument for converting an audio or video oscillator into a high-quality squarewave generator. The SQUAREMAKER consists of a set of test leads with a solid state series converter which develops a fast rise time squarewave from a sinewave input. While providing rise and fall times in the nanosecond range, the unique circuitry of the SQUAREMAKER has the additional advantage over conventional diode clipping of providing a high output voltage.

The transistors in the SQUAREMAKER derive their collector supply voltage directly from the input sinewave. This permits the amplitude of the SQUAREMAKER's output to be adjusted by the amplitude control of the oscillator. *No batteries or power connections are required.*

APPLICATIONS

When used with a sinewave oscillator, the SQUAREMAKER serves the functions of more complex and more expensive conventional squarewave generators. It permits squarewave testing of amplifiers for determining frequency characteristics and transient response. The SQUAREMAKER serves as a signal source when experimenting with pulse circuits such as differentiators, integrators, clippers, clammers, sweep circuits, computer logic circuits, and industrial control circuits.

The SQUAREMAKER is an ideal trigger source for operating and testing binaries, one-shots, Schmitt triggers, counters, timers, etc.

The extreme low cost, convenience and high performance suggest that the SQUAREMAKER belongs in the basic equipment of every workbench. Just use the SQUAREMAKER as a special set of test leads.

TYPICAL PERFORMANCE DATA

Rise Time (2000 ohm load).....	50 nanoseconds
Fall Time (2000 ohm load).....	85 nanoseconds
Maximum Output Voltage.....	35 volts
Maximum rms Input.....	25 volts
Frequency of 5% tilt.....	15 cps
Frequency of 5% rounding.....	500 kcs
Over-all useful frequency range.....	1 cps to 1 mcs
Output Impedance.....	2000 ohms
Output Polarity.....	Negative
Overshoot.....	1%
Symmetry Deviation.....	± 5%
Jitter (viewing one cycle).....	None observable

ORDERING INFORMATION

Net Price (1-24) f.o.b. Monterey.....	\$15.95 ea.
Shipping Weight.....	10 oz.
Availability.....	From Stock
Terms.....	Net 30
Phone.....	408 372-0101

* Patent Pending

MONTEREY ELECTRONIC PRODUCTS

651 Cannery Row Monterey, California

DIGITAL TIMERS • ELECTRONIC COUNTERS • CIRCUIT MODULES • INSTRUMENTS • INDUSTRIAL ELECTRONIC CONTROLS